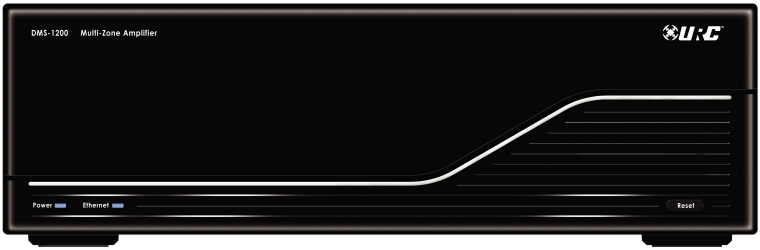
total control®

Owner's Manual

DMS-1200 Owner's Manual

Multi-Zone Amplifier



URC™

Control the Experience.

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Congratulations!

You've purchased the finest music distribution system available today. The DMS-1200 is a native to the network, CD quality digital music distribution system with a range of keypads and remote controls that not only fully control your music but control of all your other audio video components.

The DMS-1200 in many ways is the heart of your system, both distributing music to your speakers and distributing streams of music from your analog sources to other DMS amplifiers in the system. This makes your system scalable, and easy to add additional rooms at any time in the future. All you need is a DMS amplifier connected to the network to make any room a new DMS music room.

Along with the DMS-1200, your system will include a Master System Controller like the MRX-10 (the brain of the system) and as many digital music gateways as you have users via the unique URC SNP-1 Streaming network Player.

Each player provides one user with access to all of their music and all of their preferences and favorites. Each SNP-1 accesses what's stored on the network and what is available through the internet via Pandora, Rhapsody, XM, Sirius and Internet Radio. SNP-1s don't have to be installed in the room where the DMS resides. That way you can take advantage of the TV display of cover art, album name, artist names and song title in rooms with TVs by having your installer connect to one of your TVs in the system.

The DMS-1200 is designed for professional installation only. He or she will help you select the right user interface for every room of your installation. You'll have a choice of Total Control in-wall keypads and remote controls. If you have questions, call our customer service center at:

Company: _____

Installer Name: _____

Contact #: _____

Email Address: _____

System Features

Pristine Audio Quality

Unlike other digital music systems, the DMS system streams all music uncompressed at pure CD quality levels. You enjoy all the detail of your original source.

Room Linking

Any room can be linked with any other room to listen to the same source. This makes it easy for you to entertain by simply linking all the rooms your guests will be in and controlling the music from any remote or keypad.

Reliability

The DMS-1200 is engineered first and foremost for reliability. It offers extensive internal protection against failure and is manufactured in our ISO 9000 certified factory with the utmost attention to quality control at every stage of manufacturing, from parts procurement to final assembly.

Front Panel Features

Power and LAN LEDs

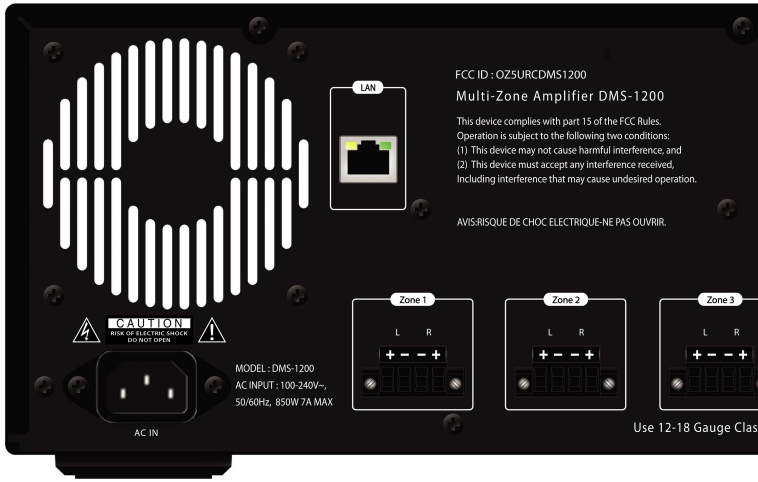
LEDs indicate that the DMS-1200 is connected to power and connected to the local area network.

Automatic Power Off

The DMS-1200 is powered off and in an automatic standby state when no zones are active.

Reset Button

The front panel reset button offers the end user a quick way to reconnect the DMS-1200 to the local area network.


LAN
FCC ID : OZ5URCDMS1200
Multi-Zone Amplifier DMS-1200
This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received,
Including interference that may cause undesired operation.
AVIS:RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR.
CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
MODEL : DMS-1200
AC INPUT : 100-240V~,
50/60Hz, 850W 7A MAX
AC IN
Zone 1
Zone 2
Zone 3
L R
+ – – +
Use 12-18 Gauge Class

Rear Panel Features

110V-220V Power Connection

The IEC power socket enables either UL/CSA approved 110V power cords or CE approved 220V power cables to be used with the DMS-1200. The internal power supply automatically switches from 110V to 240V.

Automatic Fan for Cooling

A whisper quiet fan automatically engages to keep the internal temperature optimum for long life and reliable operation.

Network Connection

A 10/100 LAN connection ensures that the DMS-1200 will receive all network streams from other DMS or SNP sources.

Six Powered Zones

The DMS-1200s internal amplifiers will power six pairs of 8 ohm speakers with 50 watts per speaker. Each pair of speakers can listen to any DMS source.

Two Preamp Zones

The two preamp zones enable external power amplifiers to be used for rooms with a need for more or less power than 50 watts per channel. External amplifiers equipped with 12V triggers are ideal, since they will automatically switched on when the zone is in use, and switched off when the zone is off.

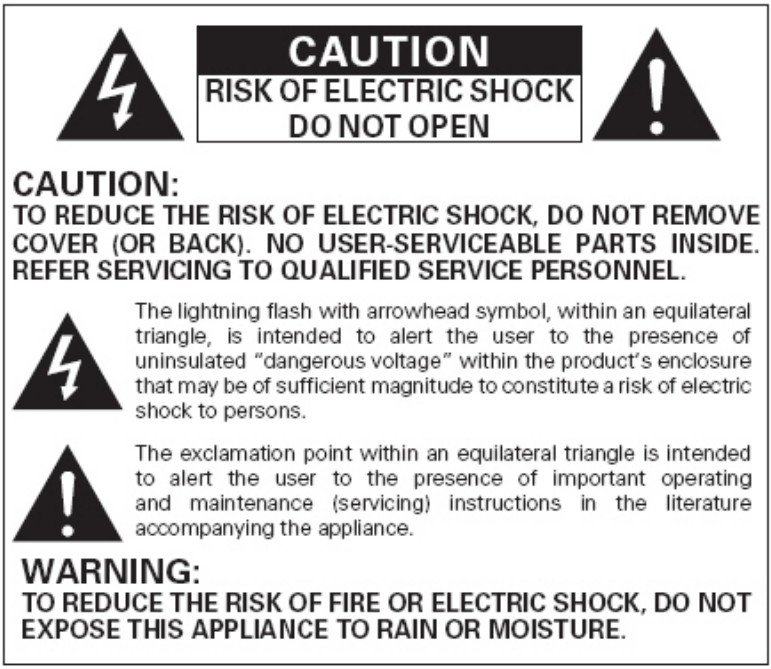
4 Audio Inputs Create DMS Streams

Up to four analog audio sources can be connected to the DMS-1200. Each is simultaneously available as a DMS stream on the network, not just to the DMS they are connected to, but all other DMS amplifiers on the same network.

IR In for 1-Way RF Remotes and Base Stations

When connected to a URC RF base station, a one-way URC remote control can be programmed to control any or all zones.

Important Safety Instructions


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.
WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

This unit shall be connected to a mains socket outlet with a protective grounded connection.

CAUTION:
To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet. The mains plug is used to completely interrupt the power supply to the unit and must be within easy access by the user.

CAUTION:
These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. In the event of malfunction, un plug lmmediately.
6. Do not use this apparatus near water.
7. Clean only with dry cloth.
8. Do not block any ventilation openings.
   Install in accordance with the manufacturer's instructions.
9. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus(including amplifiers) that produce heat.
10. Do not defeat the safety purpose of the polarized or grounding-type plug.
    A polarized plug has two blades with one wider than the other.
    A grounding type plug has two blades and a third grounding prong.
    The wide blade or the third prong are provided for your safety.
    If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
11. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
12. Only use attachments/accessories specified by the manufacturer.
13. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

14. Unplug this apparatus during lightning storms or when unused for long periods of time.
15. Refer all servicing to qualified service personnel.
    Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally,or has been dropped.

CAUTION:

- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the unit.
- Minimum distances around the apparatus for sufficient ventilation : 20centimeter
- This product is use in moderate climates.
- Do not expose the unit to dripping or splashing fluids, do not place objects filled with liquids, such as vases, on the unit.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning!

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Note : The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC Caution

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

Limited Warranty Statement

1. Limited Warranty and Disclaimers
Universal Remote Control, Inc. ("URC") warrants that the URC equipment shall be free from defects in material and workmanship under normal usage for two (2) years from purchase when such is purchased from URC. **This limited warranty is valid only in the United States of America.** URC warrants that the software will substantially conform in any material respect to its functional specifications at the time of delivery. URC SHALL NOT BE LIABLE FOR OPERATIONAL, TECHNICAL OR EDITORIAL ERRORS AND/OR OMISSIONS MADE IN THE URC DOCUMENTATION. URC DOES NOT WARRANT THAT THE URC SOFTWARE IS BUG-FREE OR ERROR FREE OR THAT THERE ARE NO ERRORS/BUGS IN THE URC SOFTWARE.

URC warrants that at the time of purchase the URC equipment and the URC software complied with all applicable regulations and policies of the Federal Communications Commissions ("FCC") regarding electromagnetic interference caused by electronic/computing devices and to the extent that the URC equipment and/or the URC software fails to so comply, URC shall, at its own expense, take all reasonable measures to promptly cause such to comply.

URC equipment purchases from other than an authorized URC dealer or distributor are without warranty.

THIS LIMITED WARRANTY DOES NOT COVER TECHNICAL ASSISTANCE FOR HARDWARE OR SOFTWARE USAGE EXCEPT AS EXPRESSLY PROVIDED FOR HEREIN, THE EQUIPMENT, SOFTWARE AND DOCUMENTATION OF URC ARE SUPPLIED "AS IS" WITHOUT ANY WARRANTY, EXPRESS, STATUTORY OR IMPLIED, OF ANY KIND. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, URC EXPRESSLY DISCLAIMS ALL WARRANTIES, EXPRESS, STATUTORY OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. URC DOES NOT WARRANT, GUARANTEE, OR MAKE ANY REPRESENTATIONS REGARDING THE USE OF, OR THE RESULTS OF THE USE OF, THE EQUIPMENT, SOFTWARE OR DOCUMENTATION IN TERMS OF CORRECTNESS, ACCURACY, RELIABILITY OR OTHERWISE.

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SKILL AND CARE, OR OUTCOME OR RESULTS. WITHOUT IN ANY WAY LIMITING THE GENERALITY OF THE OTHER PROVISIONS HEREIN, WARRANTY DOES NOT COVER: (I) DAMAGE FROM MISUSE, NEGLECT OR ACTS OF NATURE, (II) MODIFICATIONS, (III) INTEGRATION WITH THIRD PARTY CONTENT (IV) BEYOND THE WARRANTY PERIOD AND/ OR FAILURE TO FOLLOW URC WARRANTY CLAIM PROCEDURE.

The warranty limitations and warranty disclaimers may not apply to end user in whole or in part, where such are restricted or excluded by applicable law and such shall apply to the maximum extent permitted by applicable law.

In the event of any warranty claim, URC will, at its sole option, repair the URC equipment using new or comparable rebuilt parts, or exchange the URC equipment for new or rebuilt equipment. **In the event of a defect, these are the end user's exclusive remedies.**

All the URC equipment returned for service, exchange or repair require an RGA number. To obtain an RGA number, you must complete a Return Request Form which you may obtain by calling (914) 835-4484 or contacting URC at returnrequest@universalremote.com. To obtain warranty service, end user must deliver the URC equipment, freight prepaid, in its original packaging or packaging affording adequate protection to URC at 420 Columbus Avenue, Valhalla, NY 10595. It is the end user's responsibility to backup any macro programming, artwork, software or other materials that may have been programmed into the unit. It is likely that such data, software, or other materials will be lost during service and URC will not be responsible for any such damage or loss. A dated purchase receipt, bill of sale, installation contract or other verifiable proof of purchase is required. For the URC equipment support and other important information, please visit URC's website available at www.universalremote.com or call the Customer Service Center at (914) 835-4484.

This limited warranty only covers the URC equipment issues caused by defects in material or workmanship during ordinary consumer use. It does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, third-party installation, misuse, limitations of technology, or modification of or to any part of the URC equipment. This limited warranty does not cover the URC equipment sold as used, as is, refurbished, so called "B stock" or consumables (such as batteries). This limited warranty is invalid if the factory applied serial number has been altered or removed from the URC equipment. **This limited warranty specifically excludes the URC equipment sold by unauthorized resellers.**

With the exception of URC's IR-only, broad-based consumer remotes, none of URC's PC programmable remotes or any of our Total Control® whole-house equipment are authorized for online internet sales. Buying URC's PC programmable remotes or any of our Total Control® whole-house equipment online means buying equipment that does not have a URC's limited warranty. Such equipment is not eligible for URC tech support or software support, either.

2. URC'S Limitations of Liability

IN NO EVENT SHALL URC BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY KIND OR LOSS OF PROFITS OR BUSINESS OPPORTUNITY, EVEN IF URC IS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

IN NO EVENT SHALL URC BE LIABLE FOR LOSS OF OR DAMAGE TO DATA, COMPUTER SYSTEMS OR COMPUTER PROGRAMS. URC'S LIABILITY, IF ANY, FOR DIRECT DAMAGES OF ANY FORM SHALL BE LIMITED TO ACTUAL DAMAGES, NOT IN EXCESS OF AMOUNTS PAID BY END USER FOR THE URC EQUIPMENT.

IN NO EVENT SHALL URC BE LIABLE FOR ANY EVENTS BEYOND ITS CONTROL, INCLUDING ANY INSTANCE OF FORCE MAJEURE.
IN NO EVENT SHALL URC BE LIABLE FOR THE ACTS OR OMISSIONS OF END USER OR ANY THIRD PARTY.

THE LIMITATIONS OF LIABILITY MAY NOT APPLY TO END USER IN WHOLE OR IN PART, WHERE SUCH ARE RESTRICTED LIMITED OR EXCLUDED BY APPLICABLE LAW AND SUCH SHALL APPLY TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW.

URC SHALL NOT BE HELD RESPONSIBLE FOR THE STATEMENTS MADE BY OTHERS.

SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO END USER. THIS LIMITED WARRANTY GIVES END USER SPECIFIC LEGAL RIGHTS AND END USER MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR JURISDICTION TO JURISDICTION.

End User Agreement

The terms and conditions of the End User Agreement available at www.universalremote.com/eua.php shall apply.

Specifications

Audio section

Rated Wattage per Channel	50W+50W (8ohms, 20Hz~20KHz with 0.1% T.H.D) 140W+140W (8ohms, 1KHz with 10% T.H.D)
Frequency Response	20Hz~20KHz +/-1.0dB at 8ohms 20Hz~20KHz +/-3.0dB at 4ohms
Signal to Noise Ratio	85+/- 5dB
Total Harmonic Distortion	<0.06%, 20Hz~20KHz
Output connectors	8ohms, 4ohms stable
Input sensitivity	600~2200mVp-p/10Kohm
Network Connectivity	10/100 BaseT Ethernet
Tone Controls	Bass, Treble, 5-Band parametric EQ. LVLC(low volume level control)
Full Matrix Switching for Audio streaming	Yes
Number of Analog Input sources	4
Number of Digital Input Sources (S/PDIF)	1
Speaker Output Zones	6
Line level Output Zones	2 (2.2Vp-p Variable output, 2.0Vp-p fixed output level)
Independent Gain Control per Zone	Yes
Accessories	AC cord, RCA cable, User`s manual

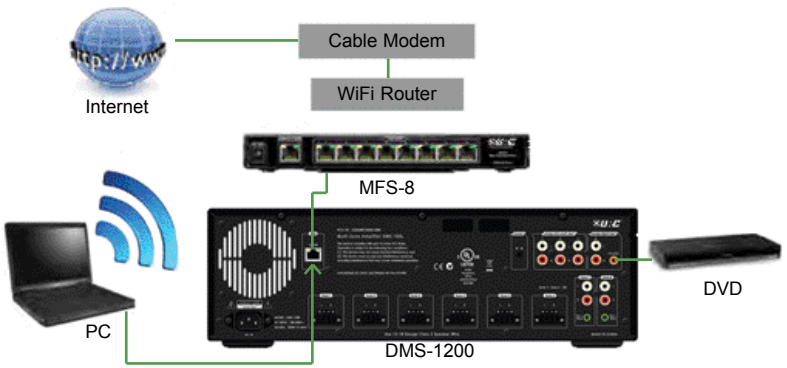
Environmental

Operational Temperature	32°F ~ 104°F (0°~ + 40°)
Humidity	5% - 95% (Non Condensing)
Storage Temperature	-4°F ~ 158°F (-20°C + 60°C)

General

Power supply	AC 100-240V, 50/60Hz
Power consumption	850Watt maximum
Maximum external Dimensions	5.25 1/32" x 17 1/18" x 16 1/1.87"
H x W x D	133mm x 432mm x 420mm
Weight	27lbs (12.1kg)

System Configuration for Internal LAN Network



Follow the steps below to connect a DMS-1200 to a LAN network.

1. Connect the Internet to the coaxial CABLE port in the rear of the cable modem.
2. Plug in a RJ-45 ethernet connector cable via the Ethernet port of the cable modem to the WAN port of the Router.
3. Connect a second RJ-45 cable to a LAN port of the Router and plug the other end to the LAN 10/100 port on the rear of the MFS-8/MFSPOE-8 network Switch.
4. Connect a third RJ-45 cable to connect the DMS-1200 LAN port to one of the eight 10/100 Smart ports.
5. Plug the power supply to the DMS-1200 and then plug it in to an unswitched AC outlet.
6. Connect a digital coax cable from the DVD player to the coaxial digital input on the rear of the DMS-1200.
7. Connect a PC computer to the same LAN as the DMS-1200 or plug an ethernet cable directly to the LAN port of the DMS-1200. Now the computer can control and adjust the manufacturer's audio control program.

- Select audio INPUT source and OUTPUT zone, MAC address etc. This function selects input source channel and INPUT gain level and data sent to audio equipment.
- After selecting the output zone, adjust the zone limit power rate and zone power ON/OFF and source signal INPUT channel.
- Adjust the amplifier volume level per each zone for proper sound output and maximum limitation volume level.
- Turn on the ramp up volume level and adjust the equalizer repertory and low volume loudness control effectiveness and custom Equalizer align.

Europe Certificate Of Conformity

Universal Remote Control, Inc. declares that this product complies with the requirements CE/LVD (Low Voltage Directive, 2006/95/EC). Certificated Attestation of compliance “E8N 10 10 75224 001” is issued according to the Directive 2004/108/EC relating to electromagnetic compatibility on a voluntary basis and is in compliance with the corresponding technical standards such as EN55013, EN55020, EN55022, EN55024/A2, EN61000-3-2, EN61000-3-3 and EN60065 A/V. A copy of the full Certificate of Conformance may be obtained at “http://www.universalremote.com”

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